

**Title :** Functional outcome of communitied intra articular distal radius fractures managed by fragment specific fracture fixation.

**Aim :** To assess functional outcome of communitied intra articular distal radius fractures managed by fragment specific fracture fixation.

## **Materials and methods**

Inclusion criteria :

1. Age 18-50 years
2. Patients > 50 years with high functional demand
3. Intra articular distal radius fractures with more than 2mm articular step off
4. > 0 degree dorsal tilt
5. 2mm or more of radial shortening
6. Loss of 5 degree or more of radial inclination

Exclusion criteria :

1. Skeletal immaturity
2. Extra articular fractures
3. Undisplaced intra articular fractures
4. Open fractures
5. Pathological fractures
6. Old fractures
7. Associated neurovascular injuries

Study centre : Govt. Kilpauk medical college

Study design : Prospective study

**Results** : 20 patients with communitied intra articular distal radius fractures were managed with fragment specific fracture fixation and were assessed with Gartland and Werley scoring system. 15 patients(75%) had excellent results and 5 patients(20%) had good results

**Conclusion** : We conclude that fragment specific fracture fixation for distal radius fractures gives excellent outcome and using combinations of low profile plates in communitied intra articular distal radius fractures is a very good treatment option.

**Keywords** : Communitied intra articular distal radius fractures, fragment specific fracture fixation, low profile plates.